

Secretary of State
NOTICE OF PROPOSED RULEMAKING*
A Statement of Need and Fiscal Impact accompanies this form

FILED
4-10-15 5:45 PM
ARCHIVES DIVISION
SECRETARY OF STATE

Public Utility Commission of Oregon
Agency and Division

860

Administrative Rules Chapter Number

Diane Davis

(503) 378-4372

Rules Coordinator

Telephone

Public Utility Commission of Oregon, PO Box 1088, Salem, OR 97308-1088

Address

RULE CAPTION

In the Matter of Adoption of 2012 Version of IEEE-1366 in Division 023 Rules.

Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.

RULEMAKING ACTION

Secure approval of rule numbers with the Administrative Rules Unit prior to filing

ADOPT:

AMEND:

860-023-0081

REPEAL:

RENUMBER: Secure approval of new rule numbers with the Administrative Rules Unit prior to filing.

AMEND AND RENUMBER: Secure approval of new rule numbers with the Administrative Rules Unit prior to filing.

Statutory Authority:

ORS 183, 756, 757

Other Authority:

Statutes Implemented:

ORS 757.020

RULE SUMMARY

This rulemaking adopts the current version of the Institute of Electrical Electronic Engineers (IEEE) Standard 1366 entitled, "IEEE Guide for Electric Power Distribution Reliability Indices" approved on May 14, 2012, by the IEEE-SA Standards Board.

The Commission encourages participants to file written comments as early as practicable in the proceedings so that other participants have the opportunity to consider and respond to the comments before the deadline. Please reference Docket No. AR 586 on comments and file them by e-mail to the Commission's Filing Center at PUC.FilingCenter@state.or.us.

Interested persons may review all filings online at <http://apps.puc.state.or.us/edockets/docket.asp?DocketID=19502>. For guidelines on filing and participation, please see OAR 860-001-0140 through 860-001-0160 and 860-001-0200 through 860-001-0250 found online at http://arcweb.sos.state.or.us/pages/rules/oars_800/oar_860/860_001.html.

A public rulemaking hearing may be requested in writing by 10 or more people, or by an association with 10 or more members, within 21 days following the publication of the Notice of Proposed Rulemaking in the Oregon Bulletin or 28 days from the date Notice was sent to people on the agency mailing list, whichever is later. If sufficient hearing requests are received, the notice of the date and time of the rulemaking hearing must be published in the Oregon Bulletin at least 14 days before the hearing.

The Agency requests public comment on whether other options should be considered for achieving the rule's substantive goals while reducing negative economic impact of the rule on business.

05-22-2015 5:00 p.m.

Diane Davis

diane.davis@state.or.us

Last Day (m/d/yyyy) and Time
for public comment

Rules Coordinator Name

Email Address

*The Oregon Bulletin is published on the 1st of each month and updates the rule text found in the Oregon Administrative Rules Compilation.

Secretary of State
STATEMENT OF NEED AND FISCAL IMPACT
A Notice of Proposed Rulemaking accompanies this form.

FILED
4-10-15 5:45 PM
ARCHIVES DIVISION
SECRETARY OF STATE

Public Utility Commission of Oregon
Agency and Division

860
Administrative Rules Chapter Number

In the Matter of Adoption of 2012 Version of IEEE-1366 in Division 023 Rules.

Rule Caption (Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.)

In the Matter of:

Adoption of 2012 Version of IEEE-1366 in Division 023 Rules.

Statutory Authority:

ORS 183, 756, 757

Other Authority:

Statutes Implemented:

ORS 757.020

Need for the Rule(s):

Adopting the most recent version of the IEEE-1366 provides reporting consistency for the subject electric companies, especially those with service areas in multiple states.

Documents Relied Upon, and where they are available:

IEEE 1366, adopted May 14, 2012, available for review at the PUC office or may be purchased online at <http://www.techstreet.com/ieee/searches/8464495>

Fiscal and Economic Impact:

The reporting requirements remain essentially the same as the changes to the IEEE-1366 were mostly organizational. There is no anticipated increase or decrease in costs of compliance.

Statement of Cost of Compliance:

1. Impact on state agencies, units of local government and the public (ORS 183.335(2)(b)(E)):

As noted above, there is no anticipated increase or decrease in costs of compliance because there were not any major reporting requirement changes.

2. Cost of compliance effect on small business (ORS 183.336):

a. Estimate the number of small business and types of businesses and industries with small businesses subject to the rule:

Only investor-owned electric companies are subject to the rule, and none of them are small businesses.

b. Projected reporting, recordkeeping and other administrative activities required for compliance, including costs of professional services:

There is no anticipated increase or decrease in projected reporting, recordkeeping or other administrative activities required for compliance.

c. Equipment, supplies, labor and increased administration required for compliance:

There is no anticipated increase in equipment, supplies, labor or administration required for compliance.

How were small businesses involved in the development of this rule?

Small businesses are not subject to this rule and were not involved in the development.

Administrative Rule Advisory Committee consulted?:No

If not, why?:

Routine adoption of national standard by reference.

05-22-2015 5:00 p.m.

Diane Davis

diane.davis@state.or.us

Last Day (m/d/yyyy) and Time
for public comment

Printed Name

Email Address

Electric Service Reliability

860-023-0081

Definitions and Terms for Electric Service Reliability

(1) Effective beginning January 1, 2012, the definitions in IEEE 1366, as defined in subsection (2)(b) of this rule, are adopted unless otherwise expressly modified by this rule. If there is a conflict between the definitions in IEEE 1366 and this rule, the definitions in this rule govern.

(2) The following definitions apply to the Electric Service Reliability Rules, OAR 860-023-0081 through 860-023-0161:

(a) "Electric company" means a public utility, as defined in ORS 757.005, that supplies electricity.

(b) "IEEE 1366" means the Institute of Electrical Electronic Engineers (IEEE) Standard 1366 entitled "IEEE Guide for Electric Power Distribution Reliability Indices" (the ~~2003~~2012 edition), approved on ~~December 10, 2003~~May 14, 2012 by IEEE-SA Standards Board ~~and on April 26, 2004 by the American National Standards Institute.~~

(c) "Loss of Supply — Substation" or "Power Supply — Substation" means an interruption cause category related to an outage of a distribution substation component.

(d) "Loss of Supply — Transmission" or "Power Supply — Transmission" means an interruption cause category related to the interruption of the electrical supply by the electric company's transmission system or by another electrical utility or operator.

(e) "Reliability reporting area" means a grouping of one or more operating areas, for which the electric company calculates major event thresholds.

(f) "Reporting Period" means the 12-month period, based on a calendar year, for which the electric company is reporting reliability performance.

(g) "System-wide" means pertaining to and limited to the electric company's customers in Oregon.

(3) For reference only, some IEEE 1366 acronyms or terms commonly used in OAR 860-023-0081 through 860-023-0161 are repeated herein. (Note - refer to exact definitions and calculation methodologies in IEEE 1366.)

(a) "CAIDI" means customer average interruption duration index.

(b) “Customer” means a metered electrical service point for which an active bill account is established at a specific location (e.g., premise).

(c) “Interruption” means the loss of service to one or more customers connected to the distribution portion of the system. It is the result of one or more component outages, depending on system configuration.

(d) "MAIFI_E" means momentary average interruption event frequency index. (Note -This index does not include events immediately preceding a lockout.)

(e) “SAIDI” means system average interruption duration index.

(f) “SAIFI” means system average interruption frequency index.

(g) “Major Event” designates an event that exceeds the reasonable design and or operational limits of the electric power system. A major event includes at least one Major Event Day (MED).

(h) “Major Event Day” or “MED” means a day in which the daily system SAIDI exceeds a threshold value, T_{MED} . For the purposes of calculating daily system SAIDI, any interruption that spans multiple calendar days is accrued to the day on which the interruption began. Statistically, days having a daily system SAIDI greater than T_{MED} are days on which the energy delivery system experienced stresses beyond that normally expected (such as severe weather). Activities that occur on major event days should be separately analyzed and reported. ~~(See section 4.5 of IEEE 1366.)~~

(i) “ T_{MED} ” means a major event day identification threshold value.

[Publications: Publications referenced in this rule are available for review at the agency.]

Stat. Auth.: ORS 183, 756 & 757

Stats. Implemented: ORS 757.020

Hist.: PUC 10-2011, f. 10-14-11, cert. ef. 1-1-12 (Order No. 11-416)